

COVID-19 Cases Among Children and Youth in Washington

Washington State Department of Health

December 14, 2022



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NOTE: Due to a data reporting issue encountered by one of Washington's hospital organizations, case, hospitalization and death are incomplete in some counties starting **October 3**. This affects up to 100 COVID cases per day and associated hospitalizations and deaths for this report. The issue is likely to last for the next several weeks. We will update this data note as additional information is available. As a reminder, all data in this report should be interpreted with caution.

The purpose of this report is to provide information on COVID-19 in all children and youth, ages 0 to 19 years, in Washington state. Children and youth across Washington continue to be affected by the COVID-19 pandemic. While schools are taking precautions to prevent the spread of the virus, understanding the burden of the disease among all children and youth can help communities, educational service districts (ESD), school districts, and schools better prepare and respond to shifting needs. This report describes cases among all children and youth in Washington and are broken down by ESD regions, and age. An ESD is a regional education unit that is made up of multiple school districts. State level hospitalization and death data are also provided.

Cases are assigned to an ESD region based on the individual's home address. Children and youth with COVID-19 include all individuals living within an ESD's jurisdiction who are 0-19 years old, regardless of where they actually learn.

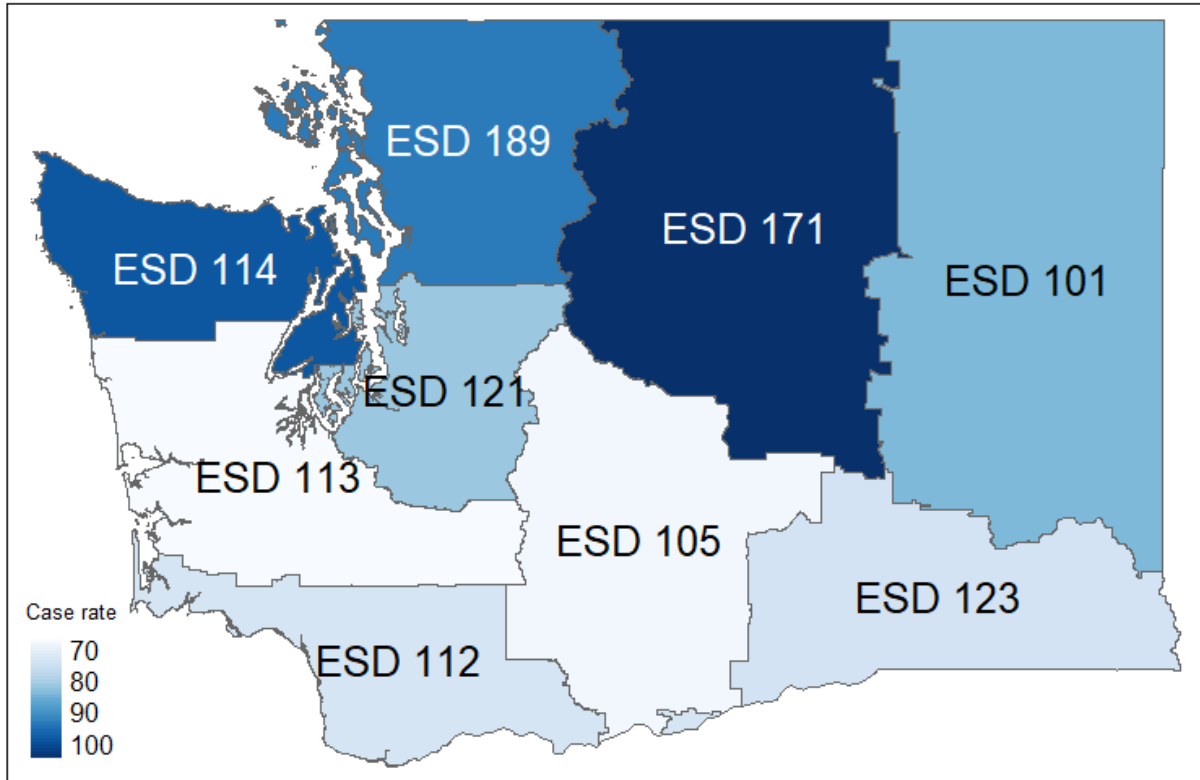
Key findings

- Among children and youth in Washington state from November 19, 2022 to December 03, 2022:
 - there were 1,551 cases (82.3 cases per 100,000 population)
 - case rates are continuing to increase
 - the highest case rates were in ESD 171 Washington
 - 0-3 year-olds had the highest case rates (164.1 cases per 100,000 population)
 - there were 44 hospitalizations (2.3 hospitalizations per 100,000 population)
 - hospitalization rates are increasing
- There have been a total of 12 deaths in all children and youth in Washington state reported January 1, 2021 to Dec 03, 2022

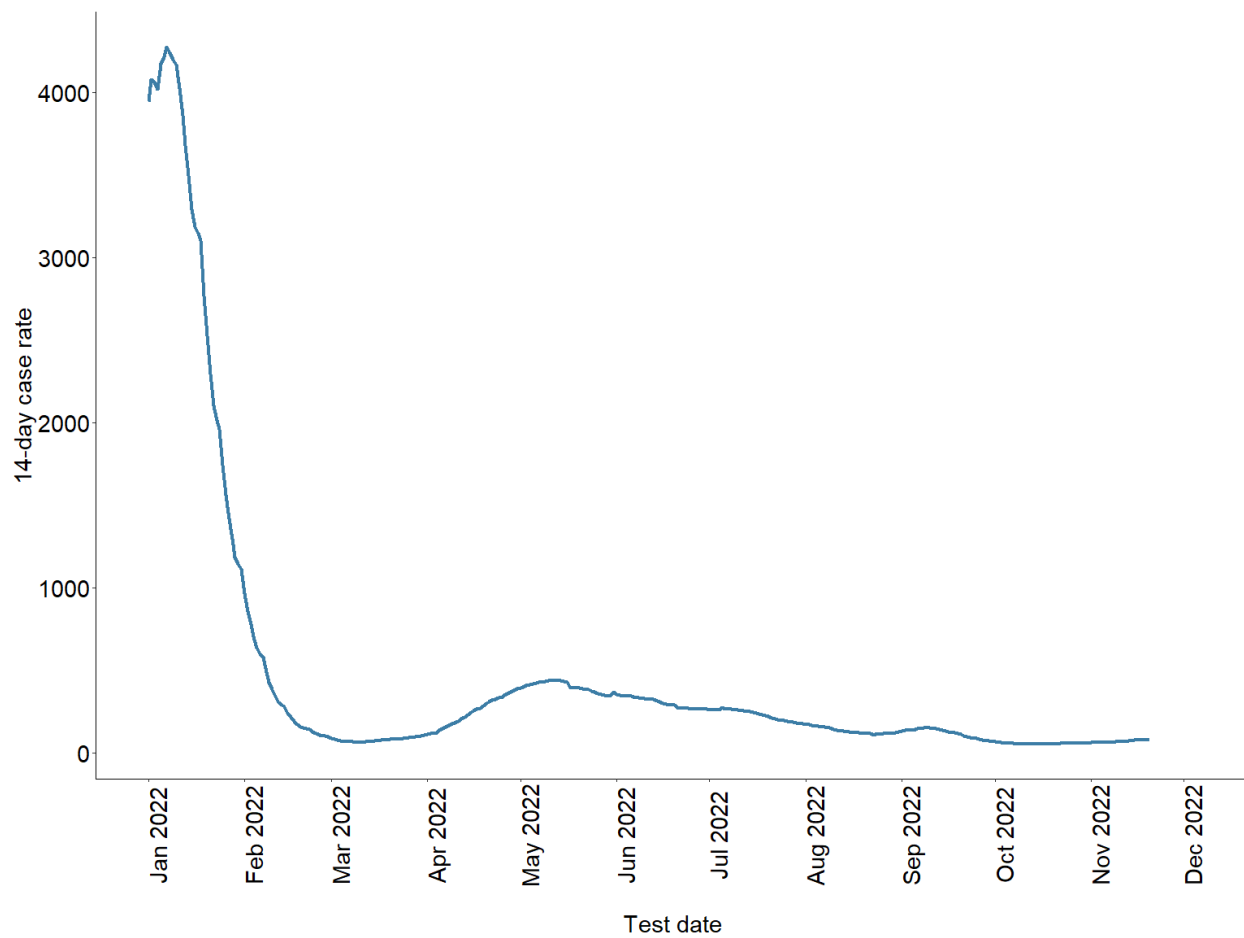
Number of COVID-19 cases and case rate per 100,000 population in all children and youth by ESD region, November 19, 2022 - December 03, 2022

ESD	Population	Case count	Case rate
ESD 101	168,583	142	84.2
ESD 105	105,235	72	68.4
ESD 112	162,085	119	73.4
ESD 113	119,629	80	66.9
ESD 114	78,966	78	98.8
ESD 121	769,804	627	81.4
ESD 123	120,595	89	73.8
ESD 171	67,904	71	104.6
ESD 189	292,760	273	93.3
State total	1,885,561	1,551	82.3

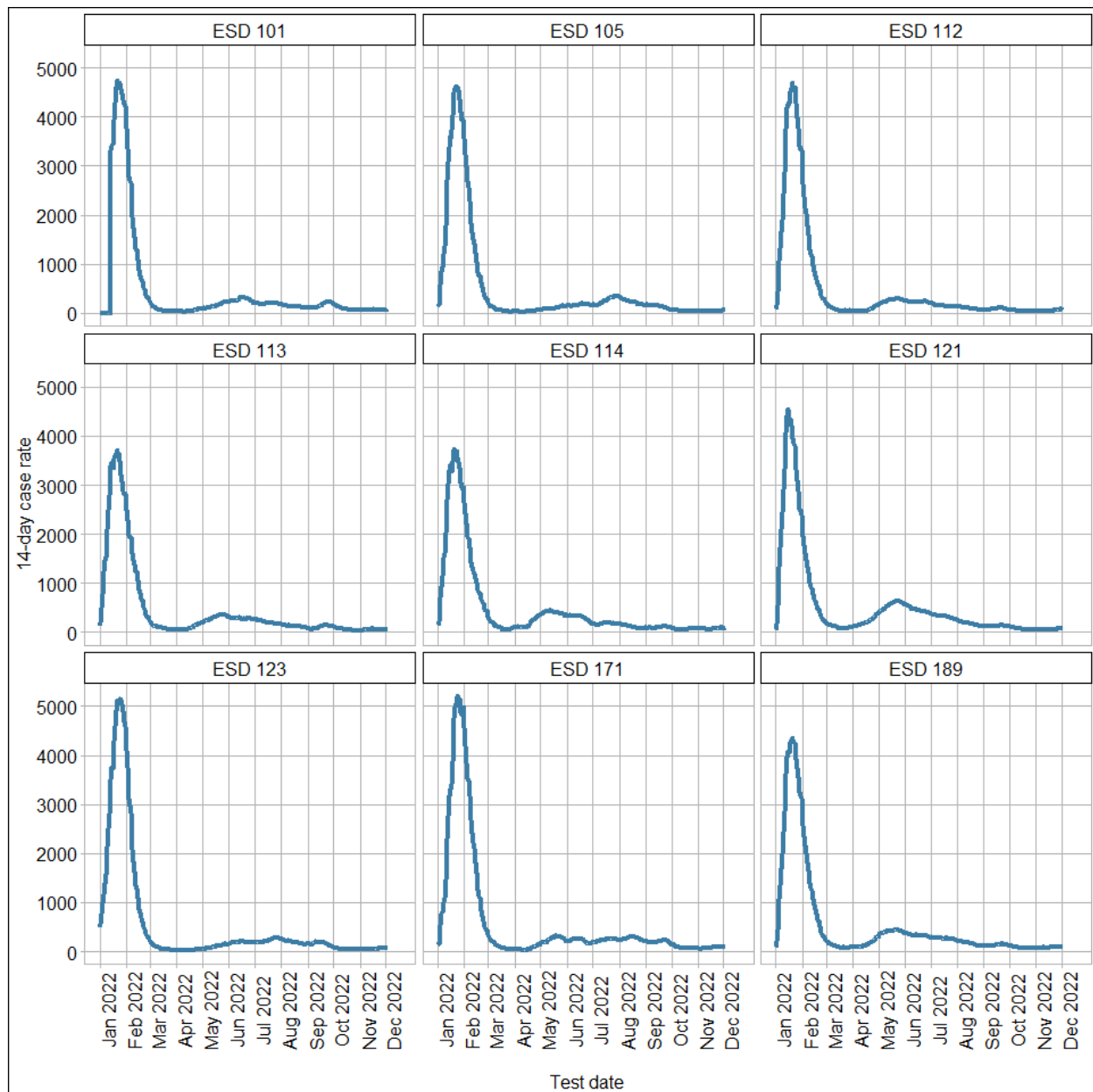
COVID-19 case rate per 100,000 population in all children and youth by ESD region, November 19, 2022 to December 03, 2022



14-day COVID-19 case rate per 100,000 population in all children and youth in Washington state, January 1, 2021 to Dec 03, 2022



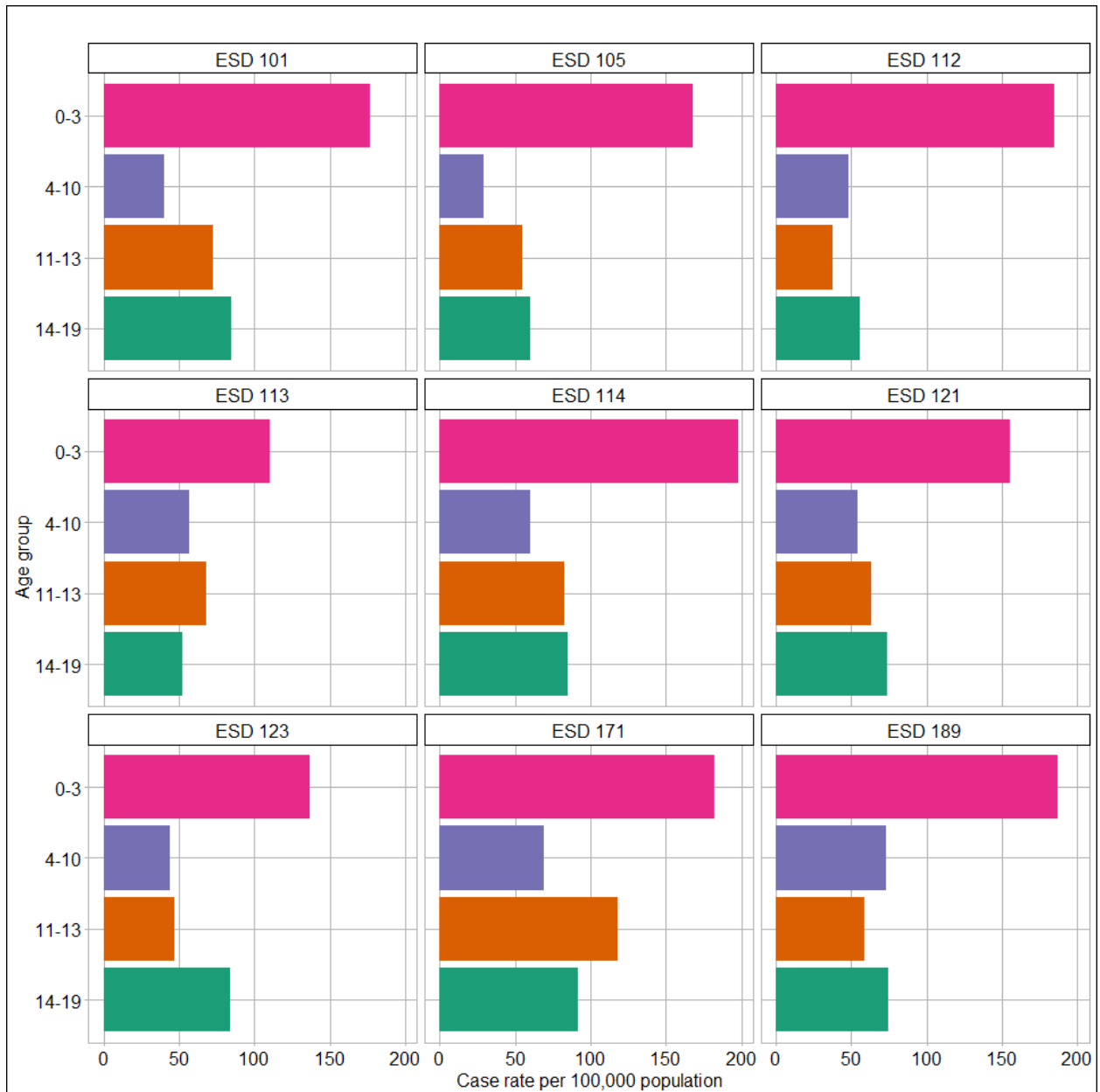
14-day COVID-19 case rate per 100,000 population in all children and youth in Washington state by ESD region, January 1, 2021 to Dec 03, 2022



Number of COVID-19 cases and case rate per 100,000 population in all children and youth by ESD region and age group, November 19, 2022 - December 03, 2022

	0-3 year-olds (preschool)		4-10 year-olds (elementary school)		11-13 year-olds (middle school)		14-19 year-olds (high school)	
ESD	Case count	Case rate	Case count	Case rate	Case count	Case rate	Case count	Case rate
ESD 101	52	176.5	22	39.6	18	72.9	50	84.9
ESD 105	33	168.0	11	29.3	9	54.7	19	60.2
ESD 112	54	185.3	28	48.4	10	37.6	27	55.6
ESD 113	24	109.6	24	57.1	13	67.7	19	52.1
ESD 114	32	197.9	17	60.1	10	82.7	19	84.8
ESD 121	238	155.4	149	54.1	73	62.5	167	74.4
ESD 123	31	136.7	19	44.0	9	47.3	30	84.1
ESD 171	23	182.0	17	68.9	13	117.5	18	92.1
ESD 189	105	187.2	76	73.2	27	59.1	65	74.6
State total	592	164.1	363	54.3	182	62.4	414	73.3

COVID-19 case rate per 100,000 population in all children and youth by ESD region and age group, November 19, 2022 - December 03, 2022



COVID-19 hospitalization rate per 100,000 population in all children and youth in Washington, November 19, 2022 - December 03, 2022

Population	Hospitalization count	Hospitalization rate
1,885,561	44	2.3

14-day COVID-19 hospitalization rate per 100,000 population in all children and youth in Washington state, January 1, 2021 to Dec 03, 2022



Methods

Definitions

Case data in this report come from the Washington State Disease Reporting System (WDRS). A 'case' is defined as an individual between the ages of 0 and 19 years who tested positive for COVID-19 during a 14-day period by either molecular test (such as PCR) or antigen tests. Most antigen tests are rapid tests and provide results in approximately 15 minutes to 1 hour.

The report includes the most recent complete 14 days of data, November 19, 2022 - December 03, 2022.

Cases are assigned to an ESD region based on the individual's home address. Children and youth with COVID-19 include all individuals living within an ESD's jurisdiction who are 0-19 years old, regardless of where they actually learn. This includes:

- students who attend a public or private school in the ESD region
- homeschooled youth
- youth who reside in a juvenile correctional facility
- all other children and youth

Please note that case rates and counts do not represent cases that occurred among students enrolled in a particular ESD or district. They represent all children and youth within the region served by an ESD or district.

An accurate home address was missing for approximately 0% of cases in children and youth with a test date between November 19, 2022 - December 03, 2022. These cases are not included in this report.

A COVID-19 hospitalization is a Washington resident who has been identified using case investigation data in WDRS or links with Rapid Health Information Network (RHINO) records as hospitalized with confirmed or probable COVID-19. Due to small numbers, to protect privacy hospitalization data are only reported at the state level.

Deaths are reported to the state by health care providers, medical examiners or coroners, local health departments, or others to the official vital records database, WHALES. COVID-19 deaths included in this report are identified in WHALES where the cause of death was confirmed or suspected to have been COVID-19. Due to small numbers, to protect privacy death data are only reported at the state level aggregated across time.

14-day rate calculation

Case rates are calculated as the total number of cases within the specified demographic (e.g. age group) and ESD region with a test date during the 14-day period divided by the Washington state population for the same region and demographic.

Hospitalization rates are calculated as the total number of hospitalizations in Washington state with a test date during the 14-day period divided by the Washington state population 0-19 years old.

All rates presented in this report use the Washington state population distribution based on the Office of Financial Management's (OFM) April 1, 2020 population estimates by age, sex, race, and Hispanic origin.